

AMENDMENTS TO THE CLAIMS:

If entered, this listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-20. (Canceled)

21. (Currently Amended) A computer system for supervision and operation of a semiconductor facility, said system comprising:

a plurality of processing tools;

5 a manufacturing execution system to control said processing tools and to track manufacturing data;

a plurality of user set-up functions to selectively transfer user data from a plurality of users to said manufacturing execution system and to selectively transfer  
10 said manufacturing data from said manufacturing execution system to said users; and

a user interface function to translate said manufacturing data prior to said transfer to said users and to translate said user data from said users prior to said  
15 transfer to said manufacturing execution system wherein said user interface function is further capable of

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detecting faulty entries in said user data and wherein said  
user interface function displays information on each said  
process tool of said plurality of process tools on a one  
20 tool per screen basis.

22. (Canceled)

23. (Previously Presented) The system according to Claim 21  
wherein one of said users is a numerically controlled tool.

24. (Previously Presented) The system according to Claim 21  
wherein said user set-up function is capable of selecting a  
specific said processing tool.

25. (Previously Presented) The system according to Claim 24  
wherein said user set-up function is capable of tracking an  
operational mode of said selected processing tool.

26. (Previously Presented) The system according to Claim 21  
wherein said manufacturing data further comprises the  
results of statistical analysis of said manufacturing data.

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27. (Previously Presented) A method of supervision and operation of a semiconductor facility, said method comprising:

providing a plurality of processing tools;

5 providing a computer system comprising:

a manufacturing execution system to control said processing tools and to track manufacturing data;

a plurality of user set-up functions to selectively transfer user data from a plurality of users to said manufacturing execution system and to selectively transfer said manufacturing data from said manufacturing execution system to said users; and

10 a user interface function to translate said manufacturing data prior to said transfer to said users and to translate said user data from said users prior to said transfer to said manufacturing execution system wherein said user interface function is further capable of detecting faulty entries in said user data and wherein said user interface function displays

15 information on each said process tool of said plurality of process tools on a one tool per screen basis; and

20 information on each said process tool of said plurality of process tools on a one tool per screen basis; and

monitoring said processing tool through said computer system.

28. (Canceled)

29. (Previously Presented) The method according to Claim 27 wherein one of said users is a numerically controlled tool.

30. (Previously Presented) The system according to Claim 27 wherein said user set-up function is capable of selecting a specific said processing tool.

31. (Previously Presented) The system according to Claim 30 wherein said user set-up function is capable of tracking an operational mode of said selected processing tool.

32. (Previously Presented) The system according to Claim 31 wherein said manufacturing data further comprises the results of statistical analysis of said manufacturing data.